FOIL when $A \neq 1$ solution (version 5)

FOIL the expressions shown below:

1. $(4x - 8)(8x + 2)$

$$(4)(8)x^2 + (4)(2)x + (-8)(8)x + (-8)(2)$$
$$(32)x^2 + (8)x + (-64)x + (-16)$$
$$32x^2 - 56x - 16$$

2. $(-3x - 3)(7x - 7)$

$$(-3)(7)x^2 + (-3)(-7)x + (-3)(7)x + (-3)(-7)$$
$$(-21)x^2 + (21)x + (-21)x + (21)$$
$$-21x^2 + 21$$

3. $(-5x + 5)(9x + 3)$

$$(-5)(9)x^2 + (-5)(3)x + (5)(9)x + (5)(3)$$
$$(-45)x^2 + (-15)x + (45)x + (15)$$
$$-45x^2 + 30x + 15$$

4. $(3x + 5)(-5x + 4)$

$$(3)(-5)x^2 + (3)(4)x + (5)(-5)x + (5)(4)$$
$$(-15)x^2 + (12)x + (-25)x + (20)$$
$$-15x^2 - 13x + 20$$

5. $(-4x + 3)(5x - 2)$

$$(-4)(5)x^2 + (-4)(-2)x + (3)(5)x + (3)(-2)$$
$$(-20)x^2 + (8)x + (15)x + (-6)$$
$$-20x^2 + 23x - 6$$

FOIL the expressions shown below:

6. $(9x - 8)(-4x + 7)$

$$(9)(-4)x^2 + (9)(7)x + (-8)(-4)x + (-8)(7)$$
$$(-36)x^2 + (63)x + (32)x + (-56)$$
$$-36x^2 + 95x - 56$$

7. $(9x - 6)(-2x - 2)$

$$(9)(-2)x^2 + (9)(-2)x + (-6)(-2)x + (-6)(-2)$$
$$(-18)x^2 + (-18)x + (12)x + (12)$$
$$-18x^2 - 6x + 12$$

8. $(5x + 4)(6x + 8)$

$$(5)(6)x^2 + (5)(8)x + (4)(6)x + (4)(8)$$
$$(30)x^2 + (40)x + (24)x + (32)$$
$$30x^2 + 64x + 32$$

9. $(9x - 8)(-7x - 2)$

$$(9)(-7)x^2 + (9)(-2)x + (-8)(-7)x + (-8)(-2)$$
$$(-63)x^2 + (-18)x + (56)x + (16)$$
$$-63x^2 + 38x + 16$$

10. $(6x + 3)(7x + 5)$

$$(6)(7)x^2 + (6)(5)x + (3)(7)x + (3)(5)$$
$$(42)x^2 + (30)x + (21)x + (15)$$
$$42x^2 + 51x + 15$$